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# NOTICE OF ALLOWANCE AND FEE(S) DUE

26119

7590

06/03/2010

KLARQUIST SPARKMAN LLP 121 S.W. SALMON STREET SUITE 1600 PORTLAND, OR 97204

EXAMINER				
DAO, THUY CHAN				
ART UNIT	PAPER NUMBER			

2192 DATE MAILED: 06/03/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/624,705	07/21/2003	Mark Ronald Plesko	3382-65536	7062

TITLE OF INVENTION: REPRESENTING TYPE INFORMATION IN A COMPILER AND PROGRAMMING TOOLS FRAMEWORK

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/03/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

opropriate. All further idicated unless correcte naintenance fee notifica	ed below or directed oth	ng the Patent, advance on herwise in Block 1, by (a	rders and notification of specifying a new co	of m orresp	aintenance fees woondence address;	ill be a and/or	mailed to the current (b) indicating a sepa	correspondence address as rate "FEE ADDRESS" for
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PORTLAND, O	R 97204		[					(Depositor's name)
								(Signature)
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APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	ГOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/624,705	07/21/2003	•	Mark Ronald Plesk	.о			3382-65536	7062
ITLE OF INVENTION	: REPRESENTING TYI	PE INFORMATION IN A	A COMPILER AND PF	ROG:	RAMMING TOOI	LS FRA	AMEWORK	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810	09/03/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS					
DAO, THU	JY CHAN	2192	717-114000	_				
Change of correspondence address or indication of "Fee Address" (37 FR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of up or agents OR, altern (2) the name of a single registered attorney	e of a single firm (having as a member a torney or agent) and the names of up to patent attorneys or agents. If no name is				
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE		data will appear on th T a substitute for filing (B) RESIDENCE: (C	ne pa g an a	tent. If an assigne ssignment. and STATE OR C	OUNT	RY)	ocument has been filed for up entity
a. The following fee(s):			o. Payment of Fee(s): (1					
☐ Issue Fee			A check is enclose		e iirst reappiy an	y prev	lously paid issue fee s	snown above)
Publication Fee (No small entity discount permitted)			☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any					
Advance Order -	# of Copies		The Director is her overpayment, to D	reby Jepos	authorized to char; it Account Numbe	ge the 1 r	required fee(s), any def (enclose ar	ficiency, or credit any nextra copy of this form).
	<b>tus</b> (from status indicated s SMALL ENTITY statu		☐ b. Applicant is no	long	er claiming SMAI	L ENT	FITY status. See 37 CF	FR 1.27(g)(2).
OTE: The Issue Fee an terest as shown by the i	d Publication Fee (if requeecords of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other the Office.	an th	e applicant; a regis	stered a	nttorney or agent; or th	e assignee or other party in
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n application. Confident abmitting the completed is form and/or suggesti	tiality is governed by 35 application form to the tons for reducing this but irginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the	1.14. This collection is depending upon the in eChief Information Of	s esti ndivi fficer	mated to take 12 n dual case. Any co . U.S. Patent and '	ninutes mment Traden	to complete, including s on the amount of time park Office, U.S. Depa	by the USPTO to process) g gathering, preparing, and ne you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450,

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10/624,705	07/21/2003		Mark Ronald Plesko	3382-65536	7062
26119	7590	06/03/2010		EXAM	INER
KLARQUIST S	SPARKM.	AN LLP	DAO, THUY CHAN		
121 S.W. SALMON STREET				ART UNIT	PAPER NUMBER
SUITE 1600 PORTLAND, O	R 97204			2192 DATE MAILED: 06/03/201	0

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 462 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 462 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

		1	
	Application No.	Applicant(s)	
Notice of Allowability	10/624,705	PLESKO ET AL.	
Notice of Anowability	Examiner	Art Unit	
	Thuy Dao	2192	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED or other appropriate comr IGHTS. This application is	in this application. If not included nunication will be mailed in due cours	se. <b>THIS</b>
1. X This communication is responsive to the amendment filed	<u>02/17/10</u> .		
2. X The allowed claim(s) is/are <u>1, 3-13, 15, 17-21, 23, 24, 26, .</u>	28, 31-34, 36, 38, and 39	renumbered 1-29)	
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority ur</li> <li>a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have</li> <li>2.  Certified copies of the priority documents have</li> </ul>	e been received.		
3. ☐ Copies of the certified copies of the priority do	• • • • • • • • • • • • • • • • • • • •		rom the
International Bureau (PCT Rule 17.2(a)).		<b>5</b>	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requirer	nents
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			E OF
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	st be submitted.		
(a) 🔲 including changes required by the Notice of Draftspers	on's Patent Drawing Revi	ew ( PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			i) of
<ol> <li>DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT</li> </ol>			:he
Attachment(s)	E □ Notice of	Informal Datant Application	
<ol> <li>Notice of References Cited (PTO-892)</li> <li>D Notice of Draftperson's Patent Drawing Review (PTO-948)</li> </ol>		Informal Patent Application Summary (PTO-413),	
,	Paper No	o./Mail Date	
<ol> <li>Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>02/17/10</u></li> </ol>	/. □ Examiner	's Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner	's Statement of Reasons for Allowand	е
·g	9. 🔲 Other		
	/Tuan Q. Dar		
	Supervisory P	atent Examiner, Art Unit 2192	

Application/Control Number: 10/624,705 Page 2

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## **DETAILED ACTION**

1. This action is responsive to the amendment filed February 17, 2010. In the instant amendment, claims 1, 20, 31, and 36 have been amended.

2. Claims 1, 3-13, 15, 17-21, 23, 24, 26, 28, 31-34, 36, 38, and 39 have been examined and are allowed (renumbered 1-29).

### **Examiner's Statement of Reasons for Allowance**

3. The following is an examiner's statement of reasons for allowance: as Applicants pointed out in the Remarks, the prior art of record (Gordon, Microsoft-IL, and Syme) do not disclose and/or fairly suggest at least claimed limitations recited in such manners in independent claim 1 "...wherein one of the sub-classes representing a primitive type represents an unknown type, wherein the unknown type can represent any type, wherein the unknown type represents a lack of all type information, wherein a compiler drops type information by changing a known type to the unknown type during a stage of lowering, wherein the unknown type is set independently of the primitive type size, and wherein the classifications of types support an unknown type with an unknown primitive type size." and similarly recited in such manners in other independent claims 20, 31, and 36 (Remarks, pp. 9-14).

These claimed limitations are not present in the prior art of record and would not have been obvious, thus all pending claims are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### Conclusion

4. Any inquiry concerning this communication should be directed to examiner Thuy (Twee) Dao, whose telephone/fax numbers are (571) 272 8570 and (571) 273 8570,

Application/Control Number: 10/624,705 Page 3

Art Unit: 2192

respectively. The examiner can normally be reached on every Tuesday, Thursday, and Friday from 6:00AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam, can be reached at (571) 272 3695.

Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the TC 2100 Group receptionist whose telephone number is (571) 272 2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Thuy Dao/ (Twee) Examiner, Art Unit 2192 /Tuan Q. Dam/ Supervisory Patent Examiner, Art Unit 2192